



AF 2833

PTO/SB/21(08/00)

Approved for use through 19/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Applicati n Number 39,517,561

Filing Dat April 12, 2000

First Named Inventor Gaetan L. Mathieu

Group Art Unit 2833

Examiner Name Gilman, A.

Total Number of Pages in This Submission

8

Attorney Docket Number 3401P098

ENCLOSURES (check all that apply)☒ Fee Transmittal Form☐ Fee Attached☒ Amendment / Response☒ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/Incomplete Application☐ Response to Missing Parts under 37 CFR 1.52 or 1.53☐ Assignment Papers (for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert a Provisional Application☐ Power of Attorney, Revocation Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ After Allowance Communication to Group☐ Appeal Communication to Board of Appeals and Interferences☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please identify below):

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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual name

William Thomas Babbitt, Reg. No. 39,591

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Signature

Date

December 13, 2001

CERTIFICATE OF MAILING (OR TRANSMISSION)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

December 13, 2001

Typed or printed name

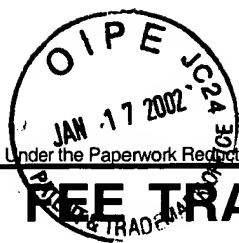
Marilyn Bass

Signature

Date

12/13/01

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PTO/SB/17 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FREE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	9/5,561
Filing Date	04/12/00
First Named Inventor	Gaetan L. Mathieu, et al.
Examiner Name	Gilman, A.
Group Art Unit	2833
Attorney Docket Number	3401P098

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP

- ☒ Charge Any Additional Fee Required Under 37CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. FILING FEE

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
82			
Independent Claims			
4			

Multiple Dependent Claims

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple Dependent claim
109	84	209	42	Reissue independent claims over original patent
110	18	210	9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

*or number previously paid, if greater, For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEE

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	400	216	200	Extension for response within second month	
117	920	217	460	Extension for response within third month	
118	1,440	218	720	Extension for response within fourth month	
128	1,960	228	980	Extension for response within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidably	
141	1,280	241	640	Petition to revive - unintentionally	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

SUBTOTAL (3) (\$)

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or Printed Name	William Thomas Babbitt, Reg. No. 39,591	Complete (if applicable)	
Signature	<i>William T. Babbitt</i>	Reg. Number	
	Date 12/13/2001	Deposit Account User ID	02-2666

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Our Ref. No.: 003401.P098

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Gaetan L. Mathieu, et al.

Serial No.: 09/547,561

Filed: April 12, 2000

For: SHAPED SPRING

Examiner: Gilman, A.

Art Unit: 2833

RESPONSE TO FINAL OFFICE ACTION

Box After Final
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Final Office Action mailed on October 16, 2001, Applicants respectfully request consideration of the remarks which follow.

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REMARKS

Claims 1-82 were examined. Claims 1-82 remain in the Application.

The Patent Office rejects claims 1-6 under 35 U.S.C. §102(e). The Patent Office rejects claims 1-6, 8-11, 14-15, 18-28, 30-32, 35, 38-44, 48-51, 55-59, 61-63, 66, and 69-79 under 35 U.S.C. §102(b). The Patent Office rejects claims 7, 12-13, 16-17, 29, 33-34, 36-37, 45, 47, 52-54, 60, 64-65, 67-68 and 80-82 under 35 U.S.C. §103(a). Reconsideration of the claim rejections is respectfully requested in view of the following remarks.

A. 35 U.S.C. §102(e): Rejection of Claims 1-6

The Patent Office rejects claims 1-6 under 35 U.S.C. §102(e) as anticipated by U.S. Patent 6,150,186 issued to Chen et al. (Chen). As in their previous response, Applicants again submit that claim 1 is not anticipated by Chen, because Chen does not describe an interconnection element including a first element material and a second element material, in which one of the materials comprises a material having a transformable property such that, upon transformation, a shape of the interconnection element is modified. More specifically, according to one embodiment in Chen,